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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/734,443*

DATE: 01/27/98
TIME: 13:50:28

1801 # 6

> **This Raw Listing contains the General Information Section and up to the first 5 pages.**

```
 1                            SEQUENCE LISTING
 2
 3   (1)    General Information:
 4                                                        ENTERED
 5      (i) APPLICANT: Keyt, Bruce A.
 6                    Nguyen, Francis H.
 7                    Ferrara, Napoleone
 8
 9     (ii) TITLE OF INVENTION: Variants of Vascular Endothelial Cell
10           Growth Factor Having Antagonistic Properties
11
12    (iii) NUMBER OF SEQUENCES: 14
13
14     (iv) CORRESPONDENCE ADDRESS:
15          (A) ADDRESSEE: Walter H. Dreger
16          (B) STREET: 4 Embarcadero Center, Suite 3400
17          (C) CITY: San Francisco
18          (D) STATE: California
19          (E) COUNTRY: United States
20          (F) ZIP: 94111
21
22      (v) COMPUTER READABLE FORM:
23          (A) MEDIUM TYPE: Floppy disk
24          (B) COMPUTER: IBM PC compatible
25          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26          (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
27
28     (vi) CURRENT APPLICATION DATA:
29          (A) APPLICATION NUMBER: US 08/734,443
30          (B) FILING DATE: 17-OCT-1996
31          (C) CLASSIFICATION:
32
33   (viii) ATTORNEY/AGENT INFORMATION:
34          (A) NAME: Dreger, Walter H.
35          (B) REGISTRATION NUMBER: 24,190
36          (C) REFERENCE/DOCKET NUMBER: A-63096/WHD/MTK
37
38     (ix) TELECOMMUNICATION INFORMATION:
39          (A) TELEPHONE: 415-781-1989
40          (B) TELEFAX: 415-398-3249
41
42
43   (2) INFORMATION FOR SEQ ID NO:1:
44
45      (i) SEQUENCE CHARACTERISTICS:
46          (A) LENGTH: 59 base pairs
```

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```
47              (B) TYPE: nucleic acid
48              (C) STRANDEDNESS: single
49              (D) TOPOLOGY: linear
50
51      (ii) MOLECULE TYPE: other nucleic acid
52              (A) DESCRIPTION: /desc = "oligonucleotide"
53
54
55
56
57      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
58
59  CCTATGGCTG AAGGCGGCCA GAAGCCTCAC GAAGTGGTGA AGTTCATGGA CGTGTATCA      59
60
61
62
63  (2) INFORMATION FOR SEQ ID NO:2:
64
65      (i) SEQUENCE CHARACTERISTICS:
66              (A) LENGTH: 30 base pairs
67              (B) TYPE: nucleic acid
68              (C) STRANDEDNESS: single
69              (D) TOPOLOGY: linear
70
71      (ii) MOLECULE TYPE: other nucleic acid
72              (A) DESCRIPTION: /desc = "oligonucleotide"
73
74      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
75
76  AGTAGCAAGC TTGACGTGTG GCAGGCTTGA                                      30
77
78
79
80  (2) INFORMATION FOR SEQ ID NO:3:
81
82      (i) SEQUENCE CHARACTERISTICS:
83              (A) LENGTH: 29 base pairs
84              (B) TYPE: nucleic acid
85              (C) STRANDEDNESS: single
86              (D) TOPOLOGY: linear
87
88      (ii) MOLECULE TYPE: other nucleic acid
89              (A) DESCRIPTION: /desc = "oligonucleotide"
90
91      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
92
93  GATCTGGCCA TACACTTGAG TGACAATGA                                       29
94
95
96
97  (2) INFORMATION FOR SEQ ID NO:4:
98
99      (i) SEQUENCE CHARACTERISTICS:
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100          (A) LENGTH: 28 base pairs
101          (B) TYPE: nucleic acid
102          (C) STRANDEDNESS: single
103          (D) TOPOLOGY: linear
104
105     (ii) MOLECULE TYPE: other nucleic acid
106          (A) DESCRIPTION: /desc = "oligonucleotide"
107
108     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
109
110  CATCCACTTT GCCTTTCTCT CCACAGGT                             28
111
112
113
114  (2) INFORMATION FOR SEQ ID NO:5:
115
116     (i) SEQUENCE CHARACTERISTICS:
117          (A) LENGTH: 12 base pairs
118          (B) TYPE: nucleic acid
119          (C) STRANDEDNESS: single
120          (D) TOPOLOGY: linear
121
122     (ii) MOLECULE TYPE: other nucleic acid
123          (A) DESCRIPTION: /desc = "oligonucleotide"
124
125     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
126
127  GTCCACTCCC AG                                              12
128
129
130
131  (2) INFORMATION FOR SEQ ID NO:6:
132
133     (i) SEQUENCE CHARACTERISTICS:
134          (A) LENGTH: 30 base pairs
135          (B) TYPE: nucleic acid
136          (C) STRANDEDNESS: single
137          (D) TOPOLOGY: linear
138
139     (ii) MOLECULE TYPE: other nucleic acid
140          (A) DESCRIPTION: /desc = "oligonucleotide"
141
142     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
143
144  AGGCTGCTGC AGTTCGACGT GGGAGTGGAC                           30
145
146
147
148  (2) INFORMATION FOR SEQ ID NO:7:
149
150     (i) SEQUENCE CHARACTERISTICS:
151          (A) LENGTH: 24 base pairs
152          (B) TYPE: nucleic acid
```

```
153                (C)  STRANDEDNESS: single
154                (D)  TOPOLOGY: linear
155
156       (ii)  MOLECULE TYPE: other nucleic acid
157                (A)  DESCRIPTION: /desc = "oligonucleotide"
158
159       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:7:
160
161  CAGGGGCACA TCGGATGGCT TGAA                                     24
162
163
164
165  (2)  INFORMATION FOR SEQ ID NO:8:
166
167       (i)  SEQUENCE CHARACTERISTICS:
168                (A)  LENGTH: 24 base pairs
169                (B)  TYPE: nucleic acid
170                (C)  STRANDEDNESS: single
171                (D)  TOPOLOGY: linear
172
173       (ii)  MOLECULE TYPE: other nucleic acid
174                (A)  DESCRIPTION: /desc = "oligonucleotide"
175
176       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:8:
177
178  CAGGGGCACG GCGGATGGCT TGAA                                     24
179
180
181
182
183
184
185  (2)  INFORMATION FOR SEQ ID NO:9:
186
187       (i)  SEQUENCE CHARACTERISTICS:
188                (A)  LENGTH: 24 base pairs
189                (B)  TYPE: nucleic acid
190                (C)  STRANDEDNESS: single
191                (D)  TOPOLOGY: linear
192
193       (ii)  MOLECULE TYPE: other nucleic acid
194                (A)  DESCRIPTION: /desc = "oligonucleotide"
195
196       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:9:
197
198  GTCATTGCAA TCGCCCCCGC ATCG                                     24
199
200
201
202  (2)  INFORMATION FOR SEQ ID NO:10:
203
204       (i)  SEQUENCE CHARACTERISTICS:
205                (A)  LENGTH: 24 base pairs
```

```
206            (B) TYPE: nucleic acid
207            (C) STRANDEDNESS: single
208            (D) TOPOLOGY: linear
209
210     (ii) MOLECULE TYPE: other nucleic acid
211            (A) DESCRIPTION: /desc = "oligonucleotide"
212
213     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
214
215  GTCATTGCAG GCGCCCCCGC ATCG                                     24
216
217
218
219  (2) INFORMATION FOR SEQ ID NO:11:
220
221     (i) SEQUENCE CHARACTERISTICS:
222            (A) LENGTH: 51 base pairs
223            (B) TYPE: nucleic acid
224            (C) STRANDEDNESS: single
225            (D) TOPOLOGY: linear
226
227     (ii) MOLECULE TYPE: other nucleic acid
228            (A) DESCRIPTION: /desc = "oligonucleotide"
229
230     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
231
232  GTCATTGCAG GCGCCCCCGC ATCGCATCAG GGGCACGGCG GATGGCTTGA A        51
233
234
235
236  (2) INFORMATION FOR SEQ ID NO:12:
237
238     (i) SEQUENCE CHARACTERISTICS:
239            (A) LENGTH: 51 base pairs
240            (B) TYPE: nucleic acid
241            (C) STRANDEDNESS: single
242            (D) TOPOLOGY: linear
243
244     (ii) MOLECULE TYPE: other nucleic acid
245            (A) DESCRIPTION: /desc = "oligonucleotide"
246
247     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
248
249  GTCATTGCAA TCGCCCCCGC ATCGCATCAG GGGCACATCG GATGGCTTGA A        51
250
251
252
253  (2) INFORMATION FOR SEQ ID NO:13:
254
255     (i) SEQUENCE CHARACTERISTICS:
256            (A) LENGTH: 990 base pairs
257            (B) TYPE: nucleic acid
258            (C) STRANDEDNESS: double
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/08/734,443*

INPUT SET: S22894.raw

Line	Error	Original Text
379	Stop Codon at end of sequence removed - no error	